

OPTICAL CONNECTOR ADAPTER FOR CONNECTING OPTICAL PUMP
SOURCES TO OPTICAL WAVEGUIDES AND
METHOD OF FORMING SAME

Abstract of the Disclosure

An optical connector adapter includes a substrate having optical waveguides for transporting optical signals. The optical connector adapter is for connecting optical pump sources to the optical waveguides using passive alignment. The substrate has opposing ends, a top reference surface and a side reference surface aligned relative to the optical waveguides. A respective carrier bracket is received over each end of the substrate. Respective substrate alignment fiducials align the carrier brackets relative to the substrate. A substrate carrier receives the substrate and carrier brackets. Respective carrier alignment fiducials align the substrate carrier and the carrier brackets. An optical coupler is received on the substrate carrier. A coupler alignment fiducial aligns the optical coupler relative to the substrate so that the optical coupler is aligned relative to the optical waveguides.